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From: Powell, Greg
Sent: Tue 8/11/2015 5:54:19 PM
Subject: Hach Kits for Water Analysis- Gold King Mine
[Hach Methods Quick Ref Guide.pdf](#)
[SA1100 Data Sheet Lead or Copper Tests.pdf](#)
[Visual Method for the Detection of Arsenic.pdf](#)

Greetings:

Trying to see if we can utilize Hach water analysis kits for surface and ground water sampling here at the Gold King Mine site release. Hach kits are regularly used for water treatment confirmatory sampling. I propose that ten percent of the samples be sent to a lab for confirmation analysis.

We will need to have kits for high, medium and low concentration ranges. I suggest that someone talk to the health people for levels of concern for drinking water, livestock and direct contact numbers.

Attached is some information for Pb, As and Cr. Probably should add Cadmium and Manganese. The key is for ease of use in the field. I do not think we should utilize spectrophotometers. Let me know what you think.

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Facts do not cease to exist because they are ignored.